



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

LELAND E. BROWN, Director

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KBM 21-05

**AGRICULTURAL NEWS:** Welcome weekend rain was received in some areas. However, the week was mostly dry with little or no rain and steamy hot heat. Later planted crops particularly have been suffering under the high heat and dry conditions. Days suitable for fieldwork averaged 6.4 out of a possible seven days. Topsoil moisture as of Friday, August 12 was rated 45 percent very short, 44 percent short, and 11 percent adequate. Subsoil moisture was rated 39 percent very short, 43 percent short, and 18 percent adequate. Farm activities included topping, spraying, some cutting and housing of tobacco, and hay harvest.

**TOBACCO:** As of Sunday, August 14, the condition of tobacco in the field was reported as 8 percent very poor, 19 percent poor, 28 percent fair, 38 percent good, and 7 percent excellent. Even as cutting and housing begins there remain concerns about black shank. Comments received were mixed, from severe to minimal damage. Topping of burley is running close to normal with 67 percent of burley tobacco topped, compared to 65 percent a year ago and the 5 year average of 71 percent. Dark tobacco topping is way ahead of burley, with 81 percent reported topped, the same as 2004, but behind the 5 year average of 88 percent. The burley crop was 11 percent cut, behind last year's 20 percent and 14 percent on average. Dark tobacco was 8 percent cut, compared to 13 percent last year and 12 percent for the 5 year average.

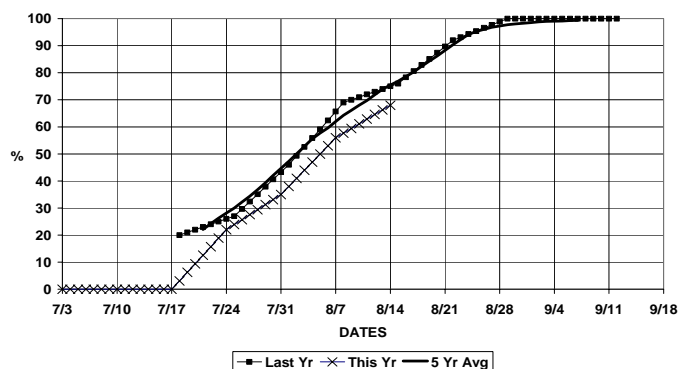
**CORN:** As of Sunday, August 14, 90 percent of the corn was in the milk stage or beyond, compared to 93 percent last year and the 5 year average of 91

percent. Sixty-eight percent of the corn has reached the dough stage or beyond, compared to 75 percent for last year and the 5 year average. Forty-seven percent of corn was dented, compared with 51 percent last year and 50 percent on average. The crop remains in mostly fair to good condition, with 8 percent very poor, 14 percent poor, 30 percent fair, 37 percent good and 10 percent excellent. There were several reports of corn drying up prematurely due to heat and lack of moisture.

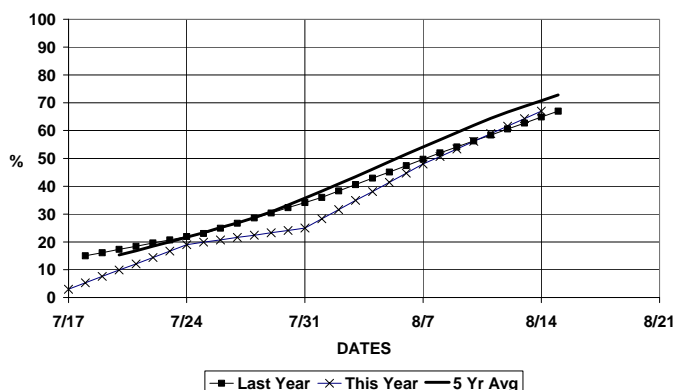
**SOYBEANS:** Producers are watching the sky, hoping for rains to aid pod development. As of Sunday, August 14, 81 percent of the soybeans were blooming and 61 percent were setting pods, last year 77 percent were blooming and 59 percent were setting pods. The 5 year average for soybeans blooming and setting pods were 79 and 56 percent respectively. At this point, producers rate the overall crop as mostly fair to good; specifically, the condition of soybeans was rated 7 percent very poor, 12 percent poor, 36 percent fair, 37 percent good, and 8 percent excellent. Double crop soybeans are showing minimal development, due to the lack of rain to help growth.

**OTHER CROPS:** Continuing lack of moisture has significantly slowed down or halted growth of hay and pastures. The condition of the hay crop was rated 22 percent very poor, 23 percent poor, 35 percent fair, 19 percent good, and 1 percent excellent. **Pasture** condition remains dismal and was rated 27 percent very poor, 30 percent poor, 32 percent fair, and 11 percent good. There were many comments of hay being fed to supplement pastures.

CORN PERCENT DOUGH OR BEYOND



BURLEY TOBACCO PERCENTAGE TOPPED



# KENTUCKY CROP PROGRESS

WEEK ENDING AUGUST 14, 2005

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	81	77	79	78	95
Setting Pods	61	59	56	57	76
Corn					
Milk Stage	90	93	91	85	NA
Dough Stage	68	75	75	56	44
Dent Stage	47	51	50	30	10
Burley Tobacco					
Topped	67	65	71	48	NA
Cut	11	20	14	NA	NA
Dark Tobacco					
Topped	81	81	88	78	NA
Cut	8	13	12	NA	NA

(NA)Data Not Available.

# SOIL MOISTURE

WEEK ENDING AUGUST 12, 2005

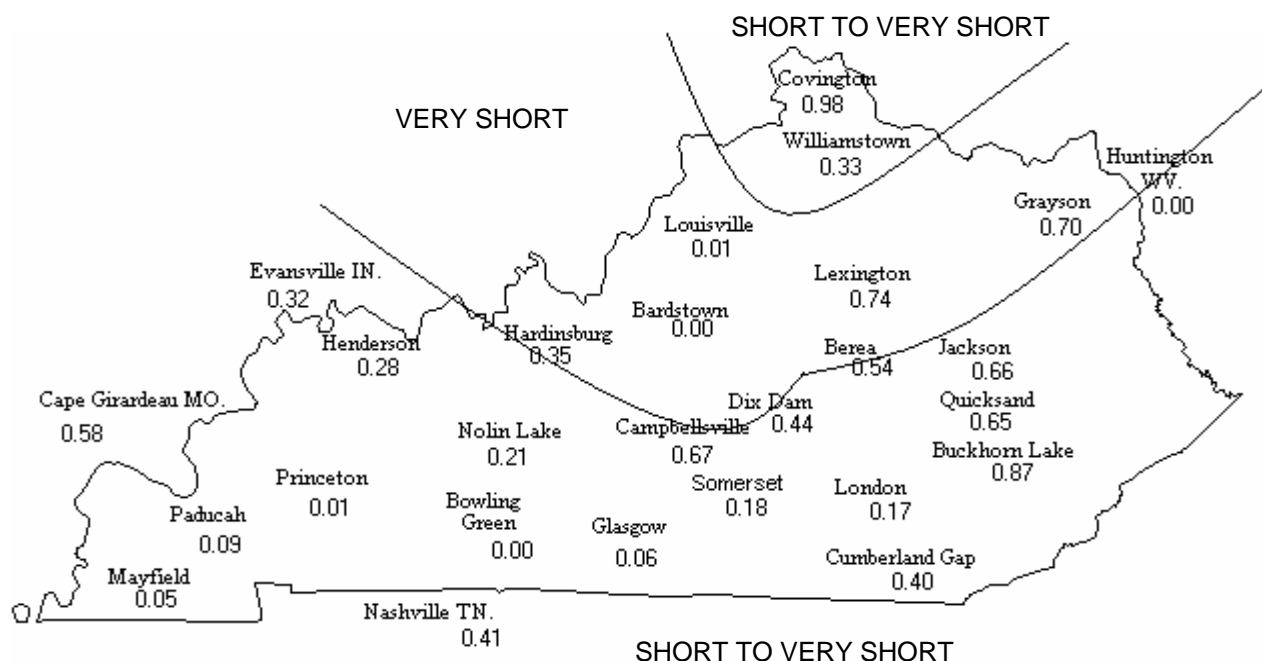
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	45	41
Short	44	38
Adequate	11	21
Surplus	0	0
<b>SUBSOIL</b>		
Very Short	39	34
Short	43	40
Adequate	18	26
Surplus	0	0

# KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING AUGUST 12, 2005						WEEK ENDING AUGUST 5, 2005				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	8	14	30	37	10	5	11	30	40	14
Soybeans	7	12	36	37	8	5	11	34	36	14
Pasture	27	30	32	11	0	18	26	34	21	1
Hay Crops	22	23	35	19	1	15	20	35	26	4
Tobacco	8	19	28	38	7	5	14	31	37	13

# PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 14, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 12, 2005



## **KENTUCKY WEATHER SUMMARY, AUGUST 8 – 14, 2005:**

### **Above Normal Temperatures and Below Normal Precipitation**

The week began with slightly cooler temperatures across the east as light rain and clouds kept temperatures in the 70's. By Tuesday, highs were back in the 90's across the State, with few clouds and light winds. Heat and humidity continued lasted through the week, but afternoon pop up thunderstorms increased in frequency each day. For the weekend, a frontal boundary had moved into the Ohio River Valley bringing widespread showers and thunderstorms, some turning severe. Localized rainfall amounts were over one inch, with most areas getting between 0.50-1.00". Of course, some areas missed out completely and received no rain. On Friday, Lexington, Jackson, and London set record highs of 98, 97, and 94 degrees, respectively. On Saturday, Louisville set a record high of 98 degrees and Jackson set a record high of 95 degrees. The past 4 weeks have seen above normal temperatures and below normal precipitation.

Temperatures for the period averaged 81 degrees across the State which was 6 degrees above normal. High temperatures averaged from 94 in the West to 93 in the East. Departure from normal high temperatures ranged from 6 degrees above normal in the West to 8 degrees above normal in the East. Low temperatures averaged from 70 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 5 degrees above normal in the West to 5 degrees above normal in the East. The extreme high temperature was 99 degrees in Bowling Green, Glasgow, Grayson, and Princeton. The extreme low was 63 degrees in Princeton and Somerset. Rainfall for the period totaled 0.30 inches statewide which was 0.54 inches below normal. Precipitation totals by climate division, West 0.22 inches, Central 0.10 inches, Bluegrass 0.51 inches and East 0.37 inches, which was 0.57, 0.74, 0.35 and 0.50 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Bardstown and Bowling Green to a high of 0.98 inches at Covington.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, AUGUST 14, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.00	17.04	2.54	-1.74	-1.49	97	65	80.3	+5	185	2605	+114
Berea	0.54	17.42	4.34	-1.82	+0.54	94	65	79.9	+6	189	2710	+143
Bowling Green	0.00	14.43	1.29	-5.33	-2.44	99	67	82.2	+7	189	2715	+118
Bristol	0.11	17.92	2.65	+1.43	-0.73	93	62	77.5	+3	175	2427	+58
Buckhorn Lake	0.87	10.74	1.22	-7.76	-2.61	97	66	81.4	+7	190	2642	+392
Cape Girardeau	0.58	17.67	1.72	-0.54	-1.45	96	67	82.6	+6	197	2777	+43
Campbellsville	0.67	18.59	2.23	-2.93	-2.26	97	65	81.1	+6	186	2699	+162
Covington	0.98	12.28	2.34	-5.34	-1.09	97	64	80.0	+6	188	2506	+166
Cumberland Gap	0.40	11.51	2.06	-8.87	-2.28	97	66	81.4	+7	190	2636	+297
Dix Dam	0.44	15.88	3.03	-3.47	-0.97	96	65	80.5	+6	187	2630	+125
Evansville	0.32	12.91	1.96	-4.79	-1.27	97	67	81.8	+5	194	2655	+57
Glasgow	0.06	19.04	0.75	-2.30	-3.47	99	66	82.1	+7	187	2815	+308
Grayson	0.70	13.84	1.29	-4.44	-2.60	99	65	81.2	+7	189	2647	+444
Hardinsburg	0.35	13.20	0.96	-6.25	-2.90	96	66	82.4	+8	197	2675	+78
Henderson	0.28	13.80	1.19	-4.32	-2.09	96	67	82.4	+6	196	2706	+78
Huntington	0.00	13.03	0.76	-5.24	-3.25	99	65	81.4	+7	189	2658	+288
Jackson	0.66	17.49	1.48	-1.97	-2.70	97	64	79.6	+6	183	2654	+404
Lexington	0.74	12.18	0.97	-6.60	-3.06	98	65	81.5	+7	190	2571	+201
London	0.17	15.42	2.19	-2.63	-1.45	94	64	78.5	+4	179	2527	+188
Louisville	0.01	13.40	1.06	-5.02	-2.58	98	66	81.9	+7	194	2614	+2
Mayfield	0.05	10.68	0.52	-8.97	-3.24	97	66	81.4	+5	190	2657	-1
Nashville	0.41	13.04	0.71	-5.31	-2.65	98	69	83.2	+8	200	2882	+104
Nolin Lake	0.21	14.92	1.04	-5.75	-2.93	98	67	82.2	+7	193	2708	+308
Paducah	0.09	13.31	0.52	-6.39	-2.88	96	66	82.1	+5	194	2766	+63
Princeton	0.01	11.81	0.18	-7.90	-3.57	99	63	82.5	+6	190	2783	+111
Quicksand	0.65	14.30	1.26	-5.16	-2.92	97	66	81.4	+7	190	2647	+397
Somerset	0.18	17.46	2.67	-2.86	-1.31	96	63	79.7	+6	180	2589	+159
Spindletop	0.03	9.74	1.98	-9.04	-2.05	97	64	80.7	+7	188	2509	+139
Williamstown	0.33	11.93	1.44	-6.61	-2.29	97	65	80.8	+7	189	2537	+167

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

## CROP PROGRESS PERCENT FOR WEEK ENDING AUGUST 7, 2005

### SOYBEANS SETTING PODS

State	Curr	Last Wk	2004	Avg
AR	79	67	79	61
IL	85	61	79	69
IN	73	55	70	59
IA	83	67	82	76
KS	58	43	62	62
KY	57	51	55	47
LA	85	80	85	84
MI	79	58	42	47
MN	75	47	43	60
MS	97	93	97	91
MO	59	42	53	47
NE	80	61	67	63
NC	25	16	38	26
ND	91	65	63	79
OH	80	55	72	57
SD	63	19	51	60
TN	89	79	62	51
WI	72	51	42	42
18 States	76	55	66	63

These 18 States planted 95% of last year's soybean acreage.

### CORN SILKING

State	Curr	Last Wk	2004	Avg
CO	72	58	66	79
IL	99	99	100	98
IN	99	96	99	95
IA	99	93	96	95
KS	99	98	99	98
KY	100	96	98	97
MI	96	94	70	78
MN	99	98	89	96
MO	100	97	99	97
NE	98	96	96	96
NC	100	98	100	99
ND	96	84	71	90
OH	98	96	98	91
PA	93	78	82	75
SD	88	67	76	82
TN	100	100	100	100
TX	99	94	99	99
WI	95	75	63	76
18 States	97	92	92	93

These 18 States planted 92% of last year's corn acreage.

### CORN DOUGH

State	Curr	Last Wk	2004	Avg
CO	15	6	8	15
IL	64	40	78	60
IN	50	31	59	46
IA	44	26	20	23
KS	59	47	67	66
KY	56	35	66	62
MI	20	5	10	5
MN	11	0	3	9
MO	86	66	81	74
NE	51	30	41	43
NC	83	72	89	83
ND	16	7	5	24
OH	32	12	50	32
PA	36	18	44	32
SD	15	4	11	22
TN	91	82	95	87
TX	85	74	84	84
WI	14	5	5	10
18 States	44	27	40	38

These 18 States planted 92% of last year's corn acreage.

## CROP CONDITION PERCENT FOR WEEK ENDING AUGUST 7, 2005

### SOYBEANS

State	VP	P	F	G	EX
AR	8	21	35	30	6
IL	16	25	40	18	1
IN	4	12	33	43	8
IA	1	8	22	51	18
KS	2	10	38	47	3
KY	5	11	34	36	14
LA	2	17	31	42	8
MI	2	6	23	49	20
MN	2	4	30	47	17
MS	2	5	18	64	11
MO	17	26	32	22	3
NE	3	14	33	40	10
NC	0	10	25	53	12
ND	2	6	23	54	15
OH	3	10	32	41	14
SD	1	5	24	50	20
TN	3	6	21	52	18
WI	9	16	30	35	10
18 States	6	13	30	40	11
Prev Week	5	11	30	42	12
Prev Year	2	5	20	53	20

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

### CORN

State	VP	P	F	G	EX
CO	2	9	21	39	29
IL	29	32	27	12	0
IN	6	16	35	38	5
IA	2	10	20	49	19
KS	3	12	32	46	7
KY	5	11	30	40	14
MI	2	5	20	48	25
MN	2	7	25	48	18
MO	22	22	26	25	5
NE	4	8	27	44	17
NC	2	9	26	47	16
ND	1	5	22	53	19
OH	6	13	33	39	9
PA	5	10	22	45	18
SD	2	7	21	50	20
TN	2	6	25	53	14
TX	11	18	33	31	7
WI	10	18	29	32	11
18 States	8	14	26	39	13
Prev Week	7	13	27	39	14
Prev Year	2	5	17	50	26

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

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